

15 11. (Amended) [The method of claim 1 further comprising the step of] A

2 method of authenticating documents comprising the steps of:

illuminating a document with ultraviolet light;

4 detecting ultraviolet light reflected by said document;

detecting visible light emitted from said document; and

6 determining the authenticity of said document based upon a comparison of
the ultraviolet light reflected from said bill with the ultraviolet light reflected from

8 a genuine document illuminated with ultraviolet light and [wherein said step of
determining the authenticity of said document is additionally] based upon a

10 comparison of the visible light emitted from said document with the visible light
emitted from a genuine document illuminated with ultraviolet light.

4 33. (Amended) [The device of claim 22 further comprising] A device for
2 authenticating documents comprising:

an ultraviolet light source for illuminating a document to be tested;

4 an ultraviolet light detector for generating an output signal responsive to
ultraviolet light reflected by said document;

6 a visible light detector for generating an output signal responsive to visible
light emitted by said document upon illumination of said document by said

8 ultraviolet light source; and

a signal processor for receiving said ultraviolet light detector output signal
10 and said visible light detector output signal and determining the authenticity of said
document based upon said ultraviolet light detector output signal and said visible
12 light detector output signal [wherein said signal processor receives said visible

B2
14 detector output signal and determines the authenticity of said document based
14 additionally upon said visible detector output signal].

B3
14 51. (Amended) [The system of claim 50 further comprising:] A system for
2 authenticating documents comprising:
an ultraviolet light source for illuminating a document to be tested;
4 a reflected ultraviolet light testing apparatus comprising
an ultraviolet light detector for generating an output signal
6 responsive to ultraviolet light reflected by said document;
a visible light testing apparatus comprising
8 a visible light detector for generating an output signal responsive to
visible light emitted by said document in response to said
10 document being illuminated with ultraviolet light; [and
a signal processor for receiving said visible light detector output signal and
12 determining the authenticity of said document based upon said
visible light detector output signal; and]
14 means for selectively activating said reflected ultraviolet light testing
apparatus;
16 means for selectively activating said visible light testing apparatus; and
a signal processor for receiving said ultraviolet light detector output signal
18 and for receiving said visible light detector output signal and
determining the authenticity of said document based upon said
20 ultraviolet light detector output signal if said ultraviolet light testing

33
apparatus is activated and/or based upon said visible light detector
22 output signal if said visible light testing apparatus is activated.

12 52. (New) The method of claim 2 wherein the authenticity of said document is
2 determined relative to genuine currency.

13 53. (New) The method of claim 52 wherein the authenticity of said document
2 is determined relative to genuine United States currency.

4 54. (New) The method of claim 3 wherein the authenticity of said document is
2 determined relative to genuine currency.

5 55. (New) The method of claim 54 wherein the authenticity of said document
2 is determined relative to genuine United States currency.

31 56. The device of claim 23 wherein the authenticity of said document is
2 determined relative to genuine currency.

82 57. The device of claim 56 wherein the authenticity of said document is
2 determined relative to genuine United States currency.

94 58. The device of claim 24 wherein the authenticity of said document is
2 determined relative to genuine currency.